

**Notice of Allowability**

Application No.

10/696,188

Examiner

Khoa D. Huynh

Applicant(s)

DELAINE, PHILLIP M.

Art Unit

3751

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on 04/29/2005.
2. ☒ The allowed claim(s) is/are 76-79,81-99,102-105 and 107-121.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 04302005.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>04302005</u> |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment   |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                       |
|   | 9. <input checked="" type="checkbox"/> Other <u>See Continuation Sheet</u>                                 |

### ***REASONS FOR ALLOWANCE***

1. The following changes to the drawings have been approved by the examiner and agreed upon by applicant: see the marks (in red) on attached Figs. 9B, 10, 10A-10D and 25B. In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.
2. Claims 76-79, 81-99, 102-105 and 107-121 are allowed over the prior art of record.
3. The following is an examiner's statement of reasons for allowance: none of the cited prior art teaches a push broom having, in conjunction with other limitations, the water channel positioned within the spray bar and a plurality of nozzles positioned inside the recesses, wherein the tips of the nozzles located slightly behind the openings of the recesses on the front surface of the spray bar.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khoa D. Huynh whose telephone number is (571) 272-4888. The examiner can normally be reached on M-F (7:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Justine Yu can be reached on (571) 272-4835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Khoa D. Huynh', with a horizontal line underneath.

Khoa D. Huynh  
Patent Examiner  
Art Unit 3751

HK  
04/30/2005

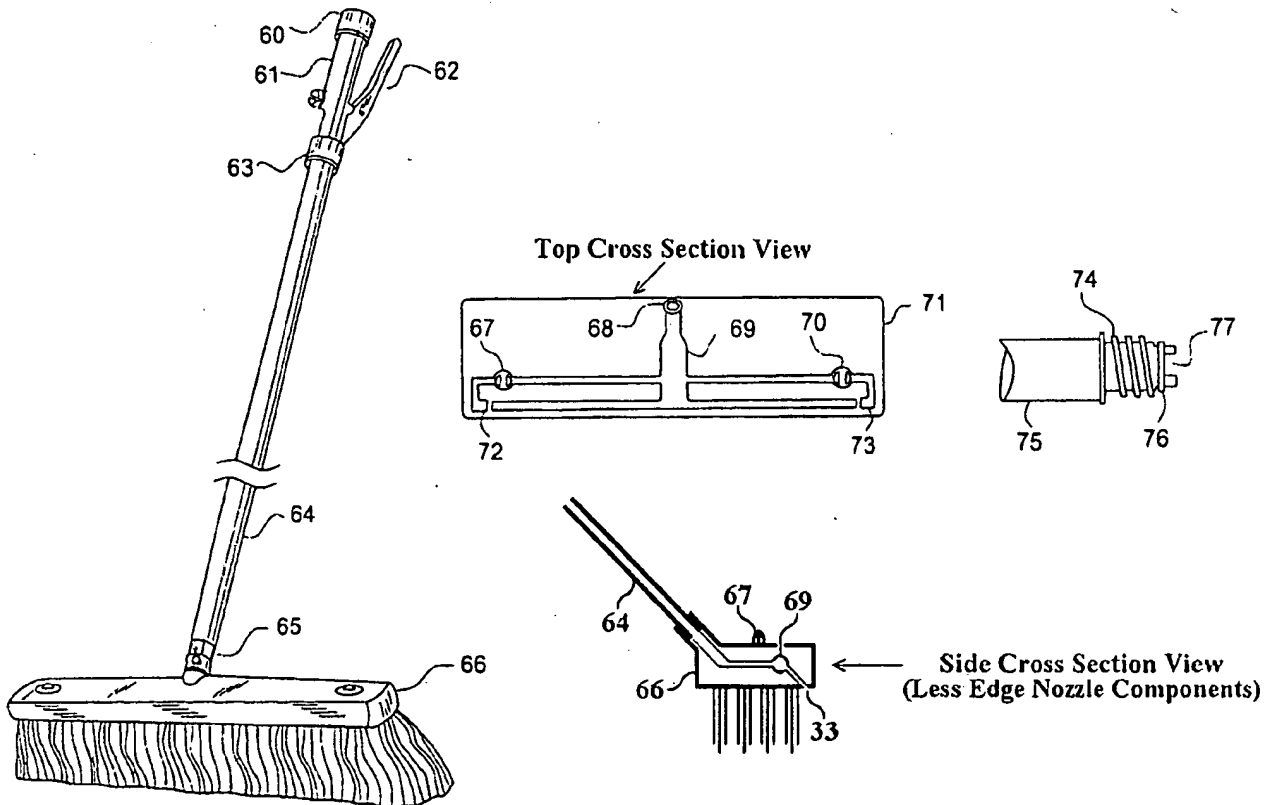


# Drawings Corrections

REPLACEMENT SHEET

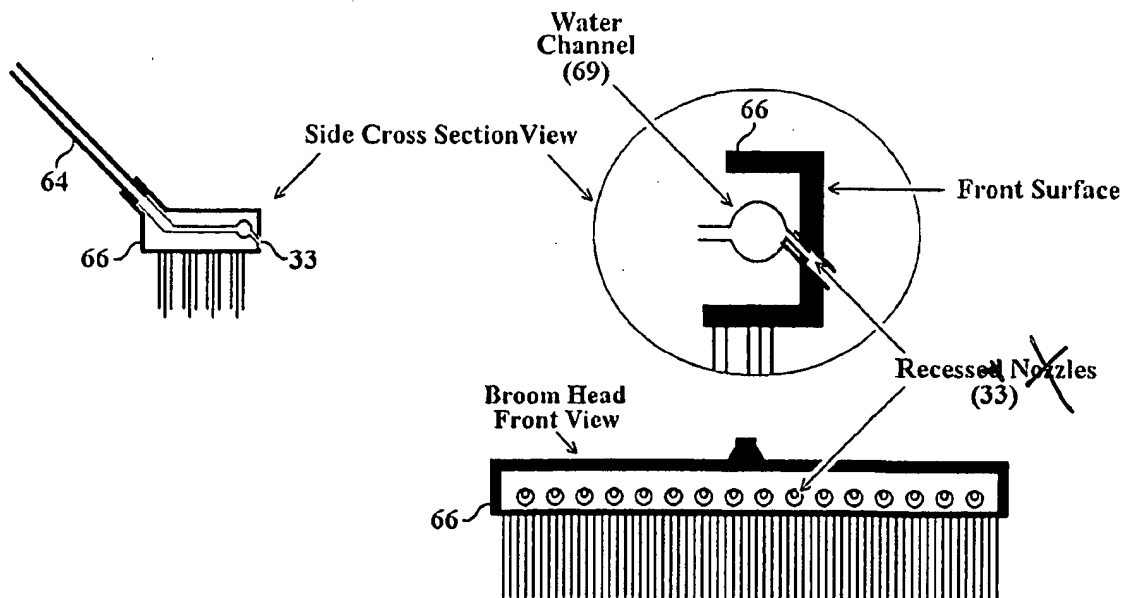
## Figure 9A

Broom Head with Integrated  
Molded Water Channels and Nozzles

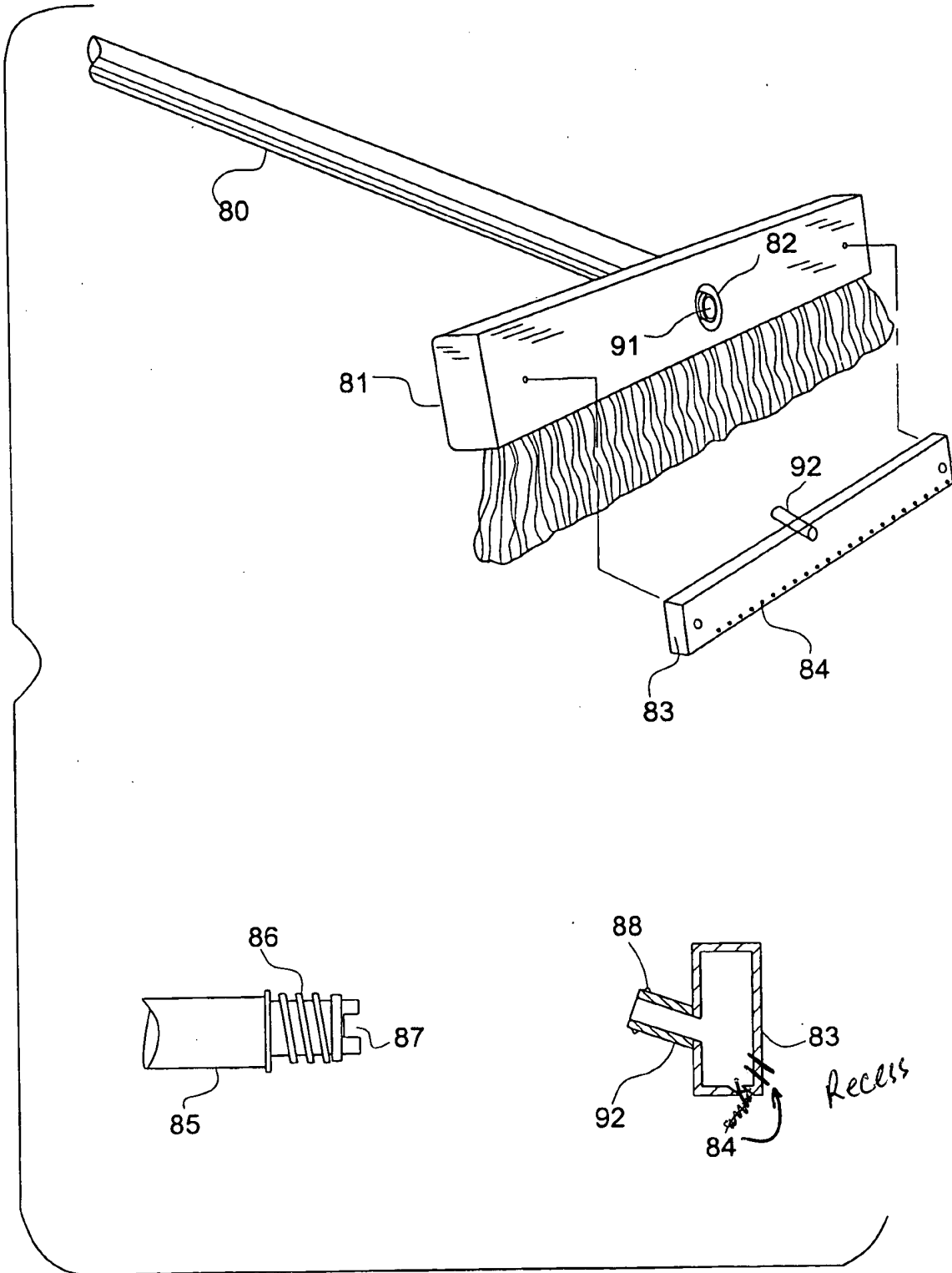


## Figure 9B

Alternative Configuration,  
Recessed Nozzles on Front of Broom Head



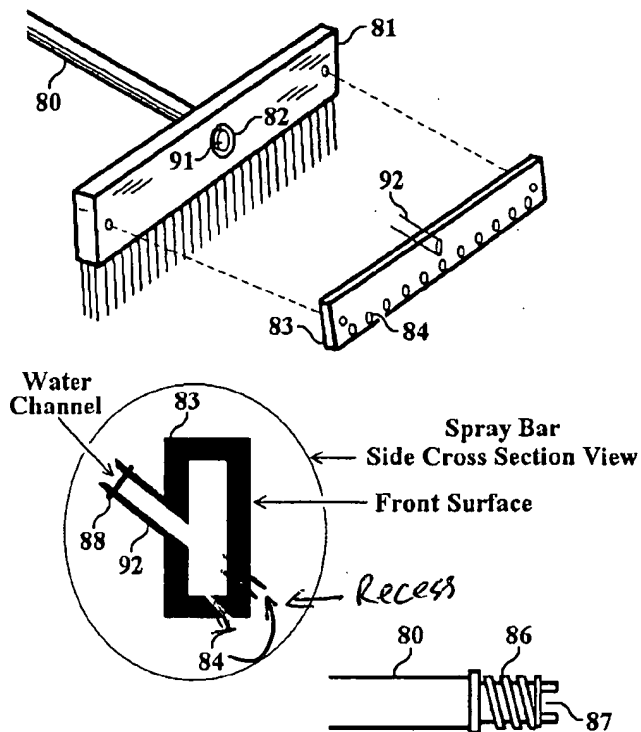
10/25



# REPLACEMENT SHEET

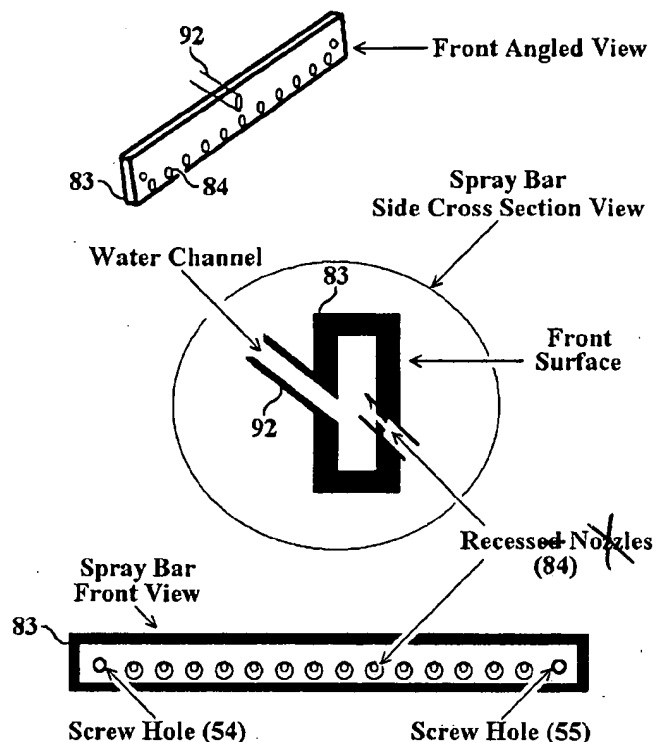
## Figure 10A

Spray Bar on Front of Broom Head



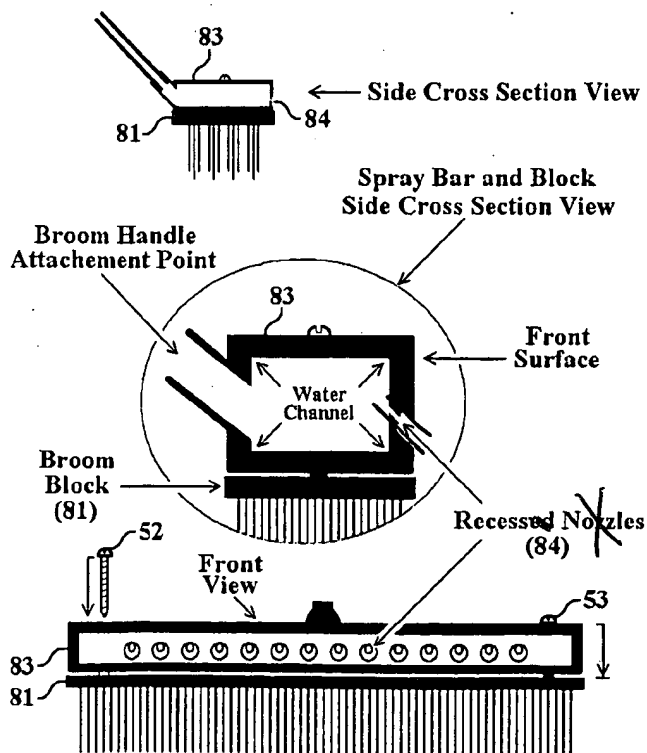
## Figure 10B

Alternative Configuration,  
Recessed Nozzles on Front of Spray Bar



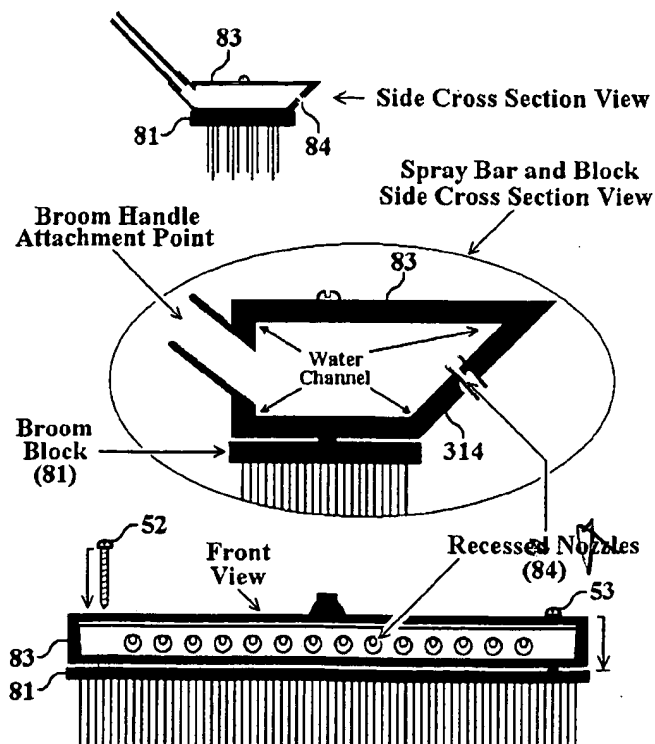
## Figure 10C

Alternative Configuration,  
Spray Bar on Top of Broom Head  
with Recessed Nozzles



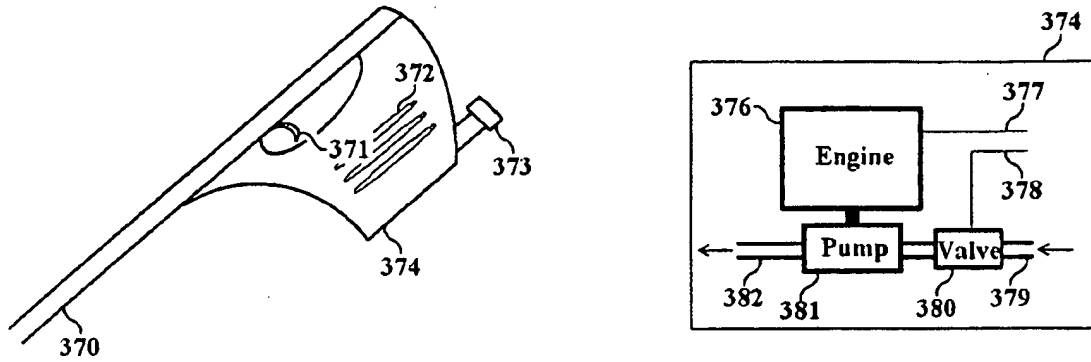
## Figure 10D

Alternative Configuration,  
Spray Bar on Top of Broom Head  
with Recessed Nozzles on an Angled Planar Surface



REPLACEMENT SHEET

**Figure 25A**  
Engine, Pump and Valve Assembly  
on a Broom Handle



**Figure 25B**  
Alternative Configuration,  
Engine, Pump and Valve Assembly  
on a Backpack

